

APPENDIX I

ALTERNATIVE STOCKING RATES BY ALLOTMENT

The following table identifies alternative short-term targets and long-term estimates for livestock use by allotment.

Short-term Targets (STT) represent approximate levels of livestock use that are likely to be applied within the first ten years of plan implementation, based on current resource information. In effect, such targets are assumptions established for the purpose of impact analysis. Actual livestock use adjustments will be implemented through agreement or by decision and, in the case of decisions, will be based on operator consultation, range survey data, and monitoring of resource conditions.

Long-term Estimates (LTE) represent approximate levels of livestock use that are likely to be applied at the end of the second decade following plan implementation, based on anticipated changes in forage production and availability, and other resource conditions. Such estimates are projected for the purpose of comparing the long-term effects of alternative plans.

In arriving at the various AUM values, several sources of data were used. An estimate of proper stocking rate, based on SCS's *Montana Grazing Guides* (USDA, SCS 1977) and unpublished technical range site descriptions, was available for all allotments. Several range surveys conducted prior to 1978, covering a number of the allotments, were reviewed. Some of the allotments have been monitored for actual use and utilization in recent years. This data is normally a very sensitive estimate of carrying capacity. In some allotments, annual changes in livestock use have been applied for and approved at levels lower than Active Preference (nonuse) and at levels exceeding Active Preference (temporary nonrenewable use). Where these annual variances have been repeated over a period of three years or more, this information was considered in developing AUM figures.

Stocking levels for Alternatives C and D consider the tendency for cattle to concentrate in valleys and riparian areas. These areas receive greater use and tend to be the part of an allotment that is in poor or fair vegetative condition. The dry slopes receive less use and, therefore, tend to be in excellent and good condition. Reduced stocking levels reflect only the carrying capacity of the range in poor or fair condition and does not stock for the carrying capacity of the range in excellent, good, or logged condition classes. If it is feasible to fence livestock out of the range that is in poor and fair condition, the allotment is stocked for carrying capacity of the range in the excellent and good condition classes.

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ALTERNATIVE STOCKING RATES BY ALLOTMENT
(All Units in AUMs)

Allot.	Allotment Name	Alternative A		Alternative B		Alternative C		Alternative D		Alternative E	
		STT	LTE	STT	LTE	STT	LTE	STT	LTE	STT	LTE
7101	Bonita-Clinton-Potomac	215	360	683	1,009	36	156	36	156	250	478
7102	F. Weaver	121	121	140	145	56	96	56	96	121	135
7104	Lund #1	145	181	281	311	20	31	20	31	181	249
7105	McMahon	37	37	89	100	6	11	6	11	37	46
7106	Iverson	44	60	81	158	42	61	42	61	55	90
7108	Lund #2	140	175	141	235	76	89	76	89	175	201
7109	Semenza #1	124	175	135	194	83	159	83	159	124	200
7110	Shelley	4	4	4	4	4	4	4	4	4	4
7111	Joseph	11	11	11	11	11	11	11	11	11	11
7112	Bearmouth Land	27	27	27	27	27	27	27	27	27	27
7113	Henderson	15	15	15	15	15	15	15	15	15	15
7114	Enman	26	26	26	26	26	26	26	26	26	26
7115	Nelson	113	123	162	175	113	113	113	113	136	142
7116	L. Lindbergh	2	2	2	2	2	2	2	2	2	2
7118	Five Mile	60	76	69	82	19	28	19	28	66	76
7119/	McElwain										
7120	Common Allotment	140	196	399	509	24	34	24	34	175	258
7121	Wales	120	138	150	200	42	42	42	42	120	150
7122	Koessler	8	25	51	82	2	2	2	2	15	40
7123	Lindbergh Cattle Co.	101	126	172	255	56	79	56	79	101	154
7124	Snead	4	4	4	4	4	4	4	4	4	4
7201	Devil Mountain	64	102	144	200	61	80	61	80	64	128
7202	A. Beck	30	30	33	57	5	41	5	41	30	46
7203	D. Beck	84	84	94	111	50	50	50	50	50	102
7204	L. Beck	49	49	49	49	49	49	49	49	49	49
7205	Benson	27	27	36	47	24	24	24	24	27	27
7206	Gimlet	5	5	5	5	5	5	5	5	5	5
7207	Braziel Cr.	362	535	557	953	358	358	358	358	362	535
7208	Coughlin	1	1	1	1	1	1	1	1	1	1
7209	Dingwall	3	3	3	3	3	3	3	3	3	3
7210	Dutton Ranch	23	23	54	64	3	3	3	3	23	30
7211	Dan Graveley	6	6	7	10	6	6	6	6	6	6
7212	Cliff Graveley	110	110	114	170	41	47	41	47	110	130
7213	Marcum Mtn.	113	174	466	685	108	108	108	108	168	331
7214	Hogan	15	15	15	15	15	15	15	15	15	15
7215	Hollenback	10	10	10	10	10	10	10	10	10	10
7216	Keiley	40	56	56	73	40	51	40	51	40	73
7217	Lingenfelter	8	8	8	8	8	8	8	8	8	8
7218	McCormick	7	7	7	7	7	7	7	7	7	7
7219	Mannix Ranch	55	55	79	130	48	48	48	48	67	76
7220	F. Mannix	8	8	8	8	8	8	8	8	8	8
7221	Murphy	58	73	82	125	55	55	55	55	73	106
7222	Semenza #2	35	35	35	35	35	35	35	35	35	35
7223	Radtke #1	7	7	7	7	7	7	7	7	7	7
7224	Warm Spring Cr.	466	589	620	738	244	271	244	271	533	632
7225	Wohlers	6	6	6	6	6	6	6	6	6	6
7226	J. Weaver	35	35	35	35	35	35	35	35	35	35
7227	Hughes	22	22	22	22	22	22	22	22	22	22
7228	Henault/Foster	15	15	15	15	15	15	15	15	15	15
7229	Cochran Ranch	41	41	46	53	41	41	41	41	41	51
7230	Geary Bros.	5	5	5	5	5	5	5	5	5	5

APPENDICES

Allot.	Allotment Name	Alternative A		Alternative B		Alternative C		Alternative D		Alternative E	
		STT	LTE	STT	LTE	STT	LTE	STT	LTE	STT	LTE
7231	Sunny Slope Grazing										
	Assoc.	10	10	10	10	10	10	10	10	10	10
7232	Gilman	10	10	10	10	10	10	10	10	10	10
7301	Bauer	13	13	40	45	13	14	13	14	13	13
7302	Bissonnette	20	20	22	26	20	20	20	20	20	20
7303	Strand	65	65	65	90	21	21	21	21	65	81
7304	Collins #1	42	52	42	52	10	10	10	10	42	52
7305	Gillies	8	8	8	8	8	8	8	8	8	8
7306	Vick	3	15	15	20	3	4	3	4	15	19
7307	Jensen	15	15	19	23	15	15	15	15	15	15
7308	Jensen Ranch Co. #1	56	56	56	56	56	56	56	56	56	56
7309	Johnson	164	174	174	179	161	161	161	161	164	174
7310	Morrison	25	25	25	25	25	25	25	25	25	25
7311	Lane	210	235	235	235	64	153	64	153	210	235
7312	H. Luthje	324	349	499	596	112	173	112	173	324	481
7313	J. Luthje	192	232	245	259	190	190	190	190	192	232
7314	R. Neal #1	216	216	216	251	40	62	40	62	216	251
7315	G. Mungas	22	22	34	40	22	22	22	22	22	22
7316	Ram Mtn.	398	398	473	576	77	87	77	87	398	398
7317	X Diamond Bar										
	Ranch	25	25	25	25	25	25	25	25	25	25
7318	Radtke #2	33	33	35	36	33	33	33	33	33	33
7319	West Fork Buttes	140	140	197	197	137	137	137	137	140	182
7320	Stewart Lake	318	368	374	374	318	318	318	318	318	368
7321	L. Sanders	56	56	78	93	56	56	56	56	56	56
7322	Flint Cr. Land	34	34	34	34	34	34	34	34	34	34
7323	Jensen Ranch Co. #2	123	123	143	190	117	124	117	124	123	138
7324	Collins #2	110	138	158	176	95	116	95	116	110	132
7325	Kolbeck Ranches Inc.	6	6	6	6	6	6	6	6	6	6
7326	N. Spieker	16	16	16	16	16	16	16	16	16	16
7501	Wm. McGillvray	5	5	5	5	5	5	5	5	5	5
7504	W. McIntosh	20	20	20	20	20	20	20	20	20	20
7505	F. DeLeo	8	8	8	8	8	8	8	8	8	8
7506	S. Rierson	38	38	38	38	38	38	38	38	38	38
7507	J. Mattice	38	38	38	38	38	38	38	38	38	38
	Unleased Chamberlain Creek	0	0	54	57	0	0	0	0	0	0
	Unleased Cottonwood Creek	0	0	172	191	0	0	0	0	0	0
	Unleased Gallagher Creek	0	0	150	172	0	0	0	0	0	0
	Unleased Wales Cr.	0	0	117	183	0	0	0	0	0	0
	Unleased Yourname Creek	0	0	65	78	0	0	0	0	0	0
Total		5,930	6,981	9,211	11,662	3,595	4,232	3,595	4,232	6,245	8,013

AUM: Annual Unit Month
 STT: Short-Term Target
 LTE: Long-Term Estimate